

ABSTRACT OF THE DISCLOSURE

[00134] An intelligent electronic device with multiple functionalities that may include
5 multiple secure accesses includes a sensor coupled with a processor. The sensor may sense
electrical parameters in an electrical circuit and generate signals indicative of the electrical
parameters for the processor. The processor may be configured to concurrently operate
multiple intelligent electronic device functionalities. The intelligent electronic device
functionalities may each include one or more functions. The functions within one of the
10 intelligent electronic device functionalities may be mutually exclusive. Secure access to one
or more of the intelligent electronic device functionalities may be enabled by entry of a user
identification.